

FIG. 1

FIG. 2 is a block diagram of an autonomous multi-services card 200. The card 200 includes a central controller 220, a bus interface 210, a telephone port 215, a video port 216, a modem port 211, an ethernet port 212, a DSL port 213, an ATM port 214, a controller memory 217, and a battery terminal 218. The card 200 is connected to a network 152, a telephone network 172, and a video network 192. The card 200 is also connected to a power source 182.

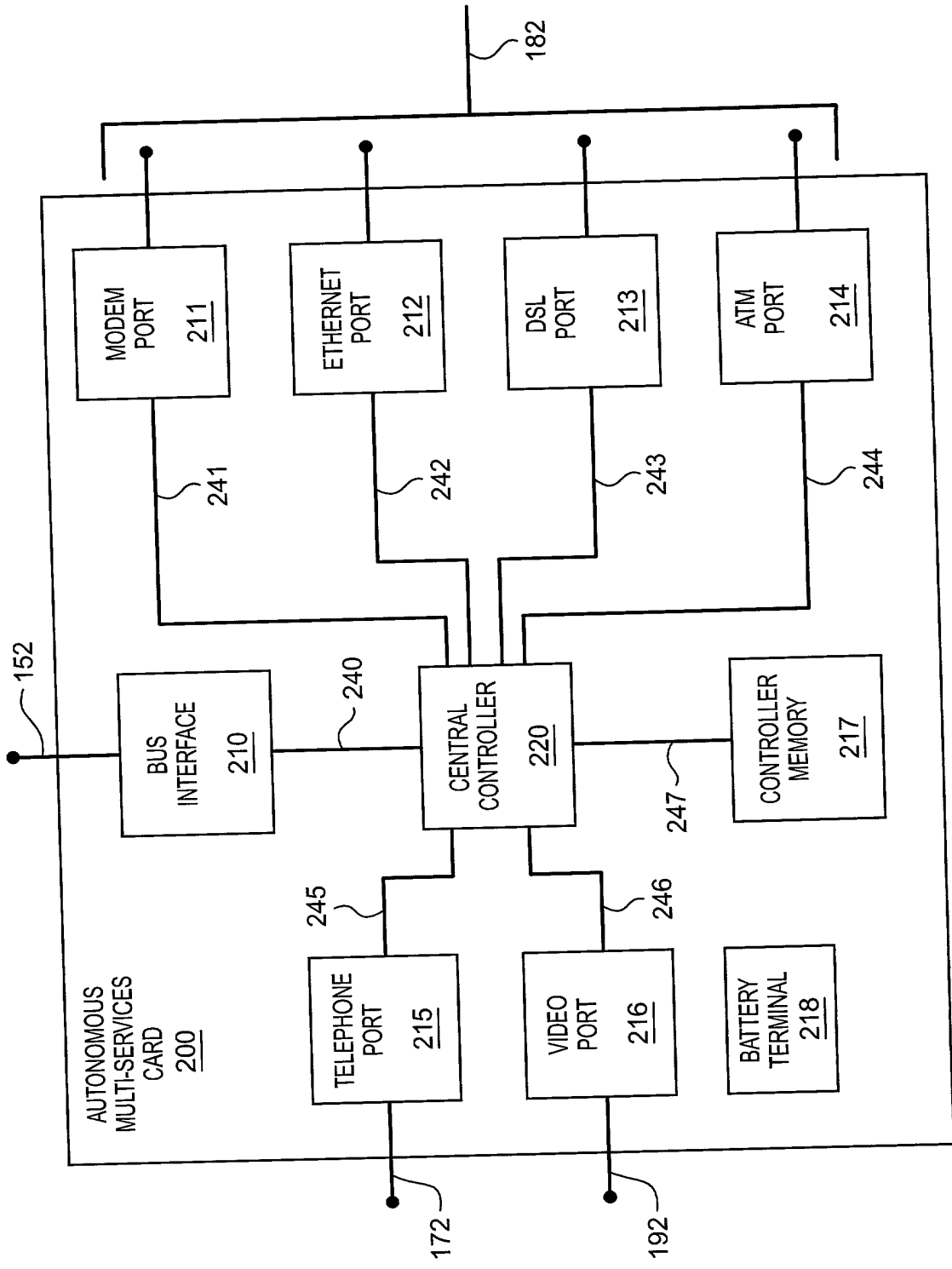


FIG. 2

FIG. 3 is a block diagram of a system architecture. The system includes a central controller 220, a processing core 230, and various peripheral controllers and memory. The central controller 220 is connected to a telephone controller 225, a video controller 226, and processor memory 227. The processing core 230 is connected to a modem controller 221, an ethernet controller 222, a DSL controller 223, and an ATM controller 224. The system is connected to external networks 240, 241, 242, 243, 244, 245, 246, and 247.

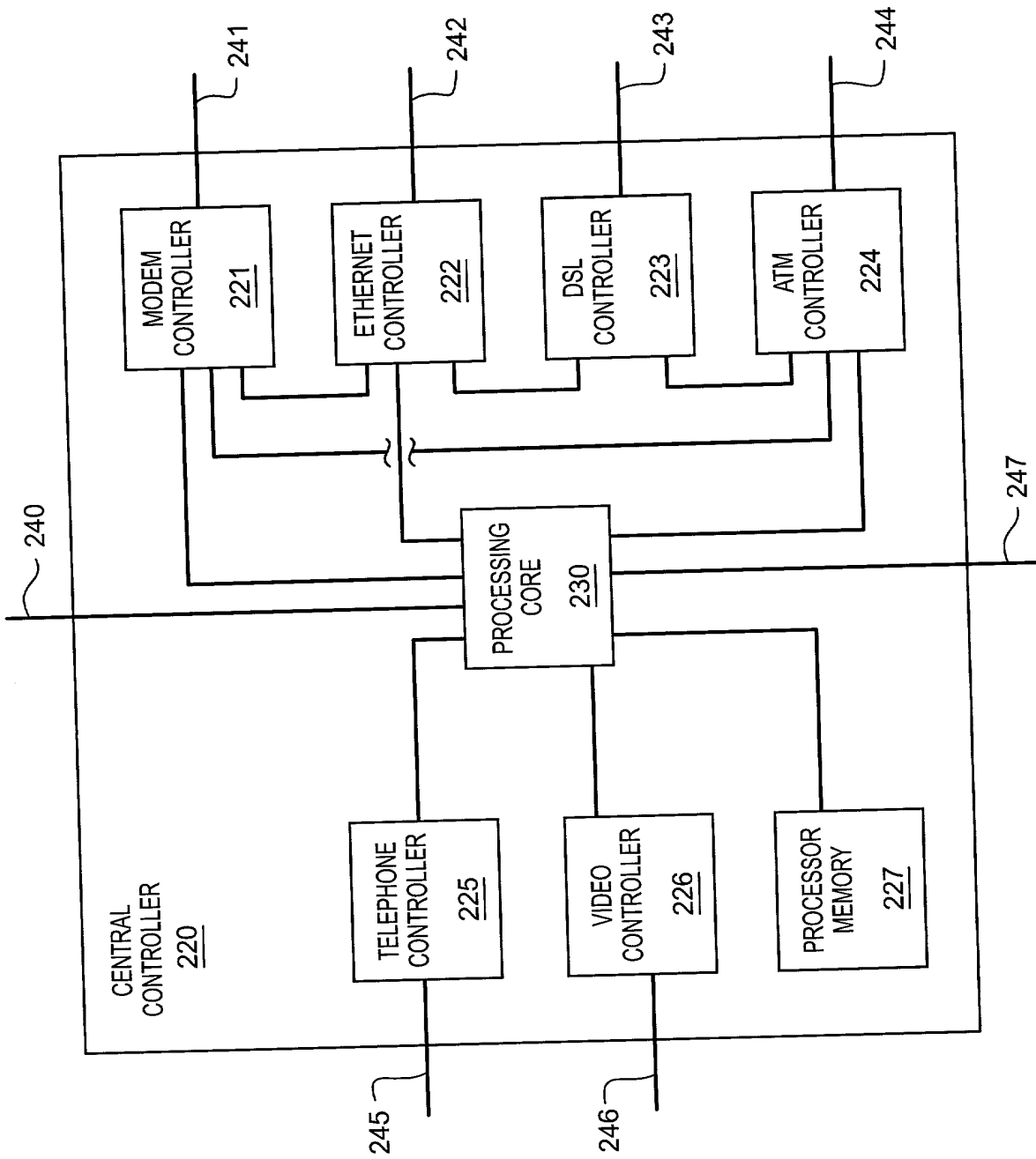


FIG. 3

FIG. 4 is a block diagram of a network architecture showing a multi-layered structure. The layers are numbered 1 through 4, with 4 at the top and 1 at the bottom. Layer 4 is labeled 'APPLICATIONS'. Layer 3 is labeled 'APPLICATION PROGRAMMING INTERFACE'. Layer 2 is labeled 'BUS INTERFACE'. Layer 1 is labeled 'CODECS'. The diagram shows various protocols and interfaces within these layers, including TCP/IP, ATM, ETHERNET, SERIAL, MODEM, DSL, ANALOG TELEPHONE, and ANALOG VIDEO.

LAYER

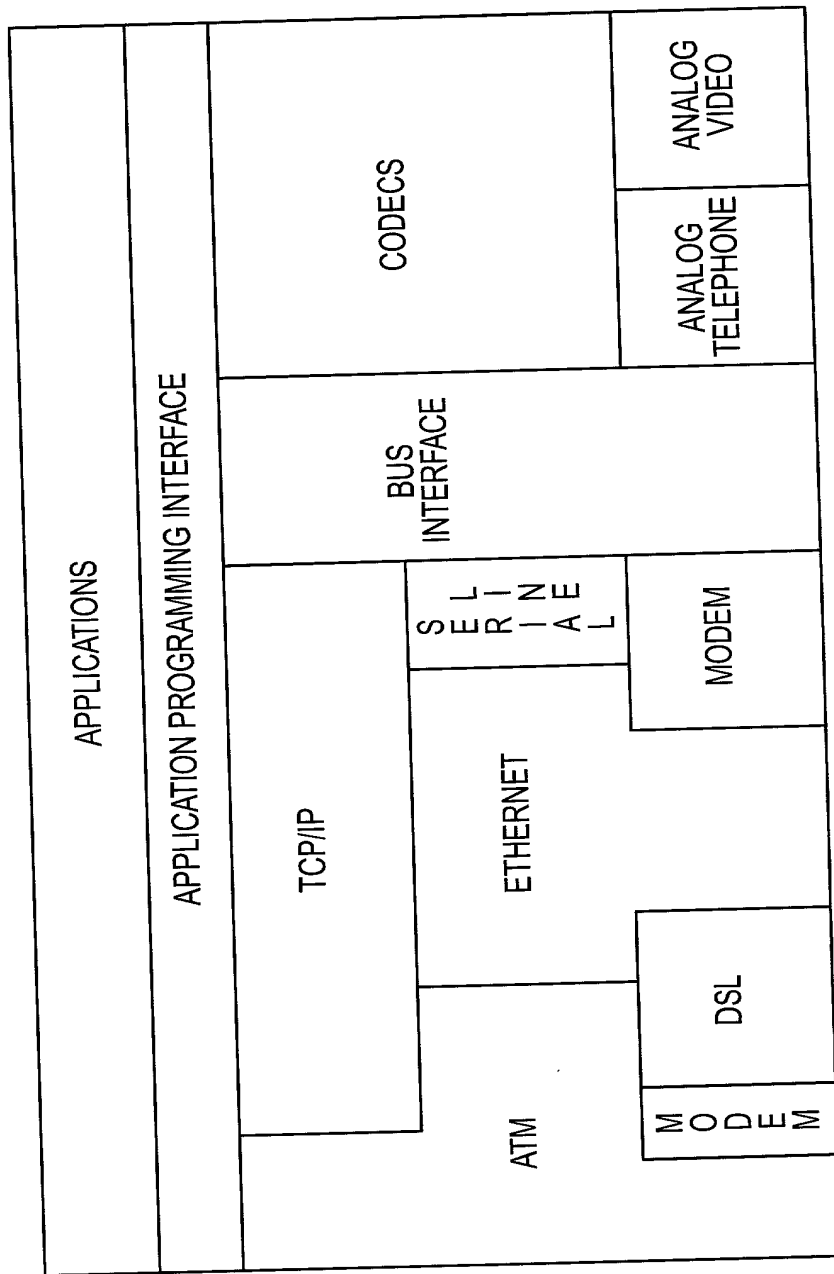


FIG. 4

FIG. 5 is a schematic diagram of an autonomous multi-services card 100, according to one embodiment of the present invention. The card 100 is shown inserted into a slot 561 of an enclosure 560. The enclosure 560 includes a battery terminal 562. The card 100 is connected to the battery terminal 562 via a connection 552. The card 100 also includes three output lines 172, 182, and 192, which are connected to the enclosure 560.

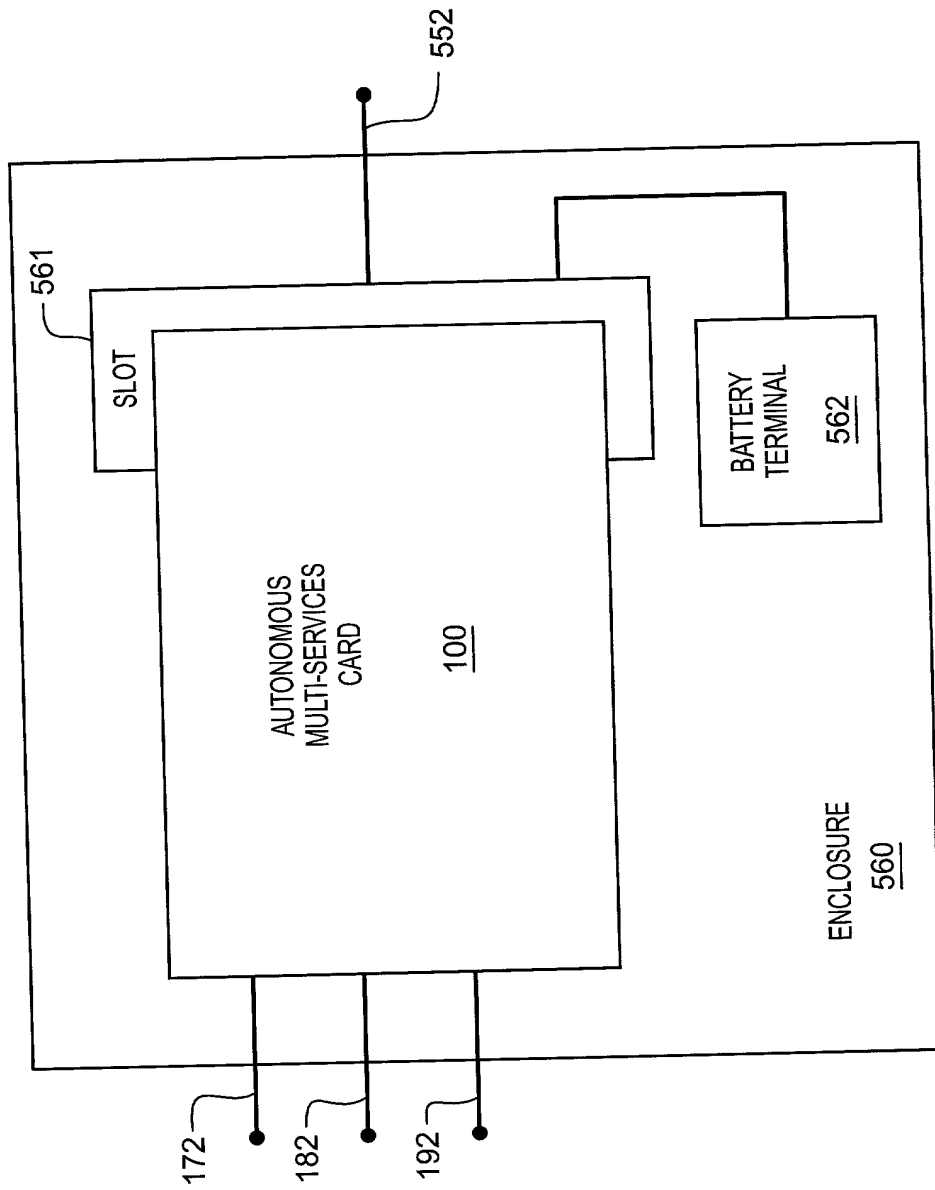


FIG. 5